

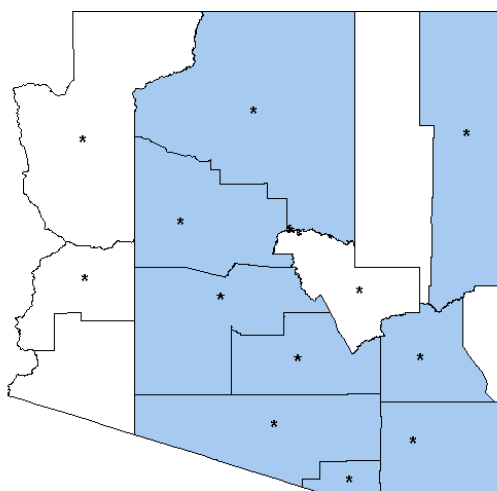
Weekly Influenza Summary:

"Local" influenza activity was reported in Arizona for the week ending on 01/27/2007 (week 4). A total of 274 cases have been reported from across 12 counties. No pediatric influenza-associated deaths have been reported in Arizona for the current season. The influenza-like illness rate is above the state baseline for week 3, though this value represents reports from less than 50% of Arizona's surveillance sites.

Data in this report are provisional and may change as more reports are received.

National influenza surveillance data are available at the CDC's Influenza Surveillance site (<http://www.cdc.gov/flu/weekly/fluactivity.htm>).

Influenza Activity by County:



Key:

* = Any activity reported this season

Blue = Activity reported in past three weeks

White = No activity reported in past three weeks

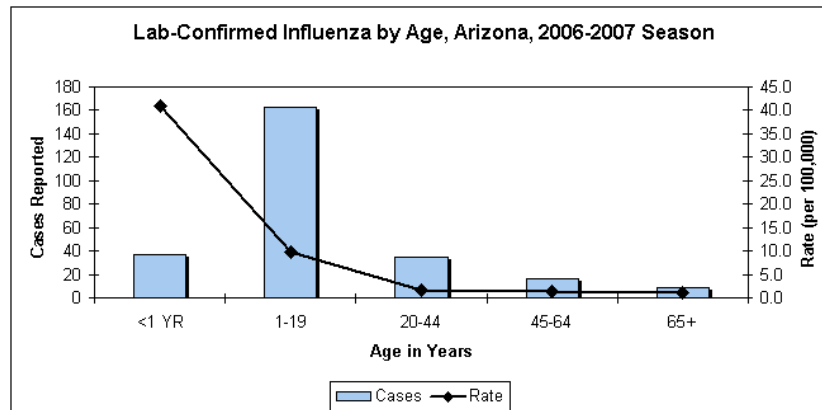
Influenza Cases Reported - 2006-2007 Season [274 cases]

County	# cases	County	# cases	County	# cases
Apache	1	Greenlee	0	Pima	18
Cochise	2	La Paz	1	Pinal	4
Coconino	13	Maricopa	224	Santa Cruz	3
Gila	5	Mohave	1	Yavapai	1
Graham	1	Navajo	0	Yuma	0

Influenza Cases Reported - Week 4 [74 cases]

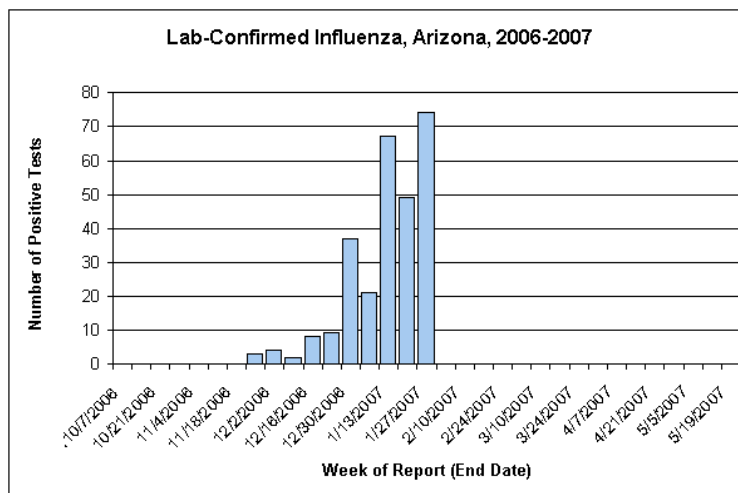
County	# cases	County	# cases	County	# cases
Apache	0	Greenlee	0	Pima	6
Cochise	1	La Paz	0	Pinal	2
Coconino	3	Maricopa	60	Santa Cruz	0
Gila	0	Mohave	0	Yavapai	1
Graham	1	Navajo	0	Yuma	0

Influenza Activity by Age:



Lab Surveillance:

Laboratories report positive influenza tests to ADHS. Of the lab-confirmed influenza reported this season, 177 were influenza A (116 confirmed by culture or PCR), 50 were influenza B (32 confirmed by culture or PCR), and 47 were unknown.



Subtyping – Culture or PCR Results:

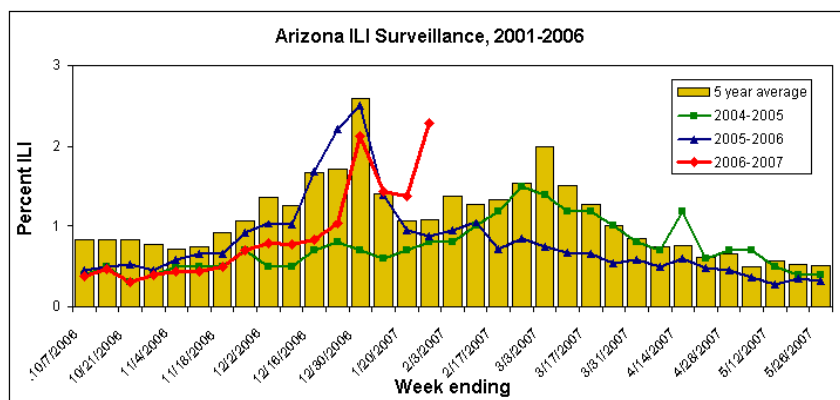
Viral isolation, or culture, is currently the “gold standard” for diagnosis of influenza virus infections. The influenza subtype can be determined by a test called hemagglutination inhibition (HI) using viral isolates. Polymerase chain reaction (PCR) can also be used to identify influenza B and the hemagglutinin (H) component of influenza A.

Of the 116 culture- or PCR-confirmed influenza A cases, 40 are H1N1, 9 are H1 by PCR, 1 is H3N2, 3 are H3 by PCR, and 63 have not been subtyped. Of the 32 culture- or PCR-confirmed influenza B cases, one is B/Shanghai, 16 are B/Malaysia, and 15 have not been subtyped.

Influenza-Like Illness (ILI) Surveillance from Sentinel Providers

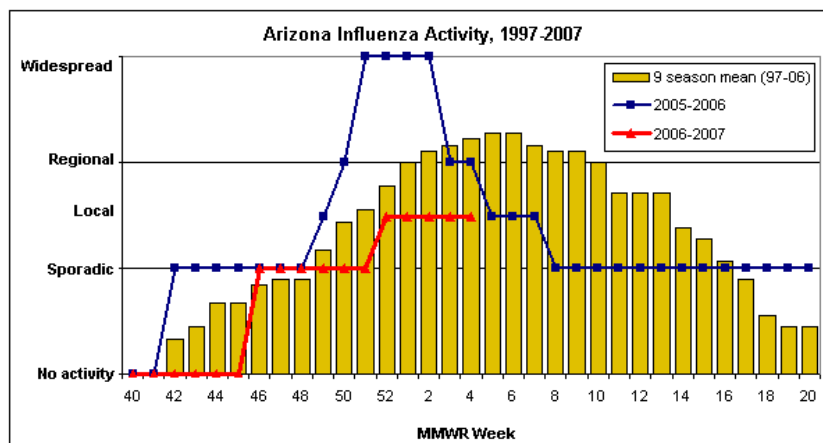
The proportion of patient visits to sentinel providers for ILI in the state was 2.3% for the week ending 01/20/2007 (week 3). This value is higher than the Arizona ILI baseline (0.5%), but represents reports from less than 50% of sentinel providers for the week.

ILI is defined as a fever of at least 100°F plus either a cough or a sore throat.



Historical Arizona Influenza Activity Levels

The graph below shows the influenza activity levels reported to the CDC this season in comparison to the last season and eight previous seasons. For week 4, Arizona reported “local” activity. Definitions of these reporting categories can be found at <http://www.cdc.gov/flu/weekly/fluactivity.htm>.



RSV Activity in Arizona:

Increasing respiratory syncytial virus (RSV) activity has been reported in Arizona. As of 01/27/2007, 441 lab-confirmed cases have been reported. Of these, 97 were reported during week 4.

